MULTIMEDIA UNIVERSITY ®

STUDENT ID NO

MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 1, 2019 / 2020

BDT1014 – DIGITAL TRANFORMATION TECHNOLOGIES

(All sections / Group)

24th OCTOBER 2019
9.00 a.m. – 11.00 a.m.
(2 Hours)

INSTRUCTIONS TO STUDENT

1. This question paper consists of 2 pages (excluding cover page) with 4 Questions only.

2. Attempt **ALL** questions. All questions carry equal marks and the distribution of the marks for each question is given.

3. Write your answers in the Answer Booklet.

QUESTION 1 [25 Marks]

a. Information Age is also known as Computer Age, Digital Age or New Media Age. These trends are influencing individuals, organizations and society. Discuss the **FIVE (5)** megatrends in the Information Age.

(15 marks)

b. Bring your own device (BYOD) is an increasing trend towards employee-owned devices within a business. Explain the benefits of BYOD in a workplace.

(4 marks)

c. Every organization is composed of different decision-making levels, where each level of an organization has different responsibilities and therefore different informational needs. Describe the decision making levels in an organisation.

(6 marks)

QUESTION 2 [25 Marks]

a. Managing Information Systems infrastructure can be a challenge for many organizations due to the evolution of hardware and software, the demand for more storage and networking bandwidth, and the rising costs of energy. Technological advances has given rise to cloud computing. Discuss what cloud computing is and explain **THREE (3)** benefits of cloud computing.

(9 marks)

b. In today's increasingly competitive world, organizations need to communicate and collaborate effectively and efficiently within and outside organizational boundaries. Give **FOUR (4)** ways how organizations can communicate and collaborate effectively.

(16 marks)

QUESTION 3 [25 Marks]

a. Before organizations are willing to spend money to acquire or develop a new system or spend more money on an existing one, they want to be convinced that this will be a good investment. Describe how to formulate and present the business case for technology investments.

(15 marks)

b. Most experts believe that cyberwar and cyberterrorism are imminent threats to countries who are advanced in their technology. Clarify and explain the differences between cyberwar and cyberterrorism.

(10 marks)

Continued...

QUESTION 4 [25 Marks]

a. Discuss the definition of Fintech with examples.

(6 marks)

b. Explain how crowdfunding works. You may give an example to illustrate how crowdfunding works.

(10 marks)

c. Figure 1 shows three general approaches to conducting commerce. Distinguish between the three approaches.

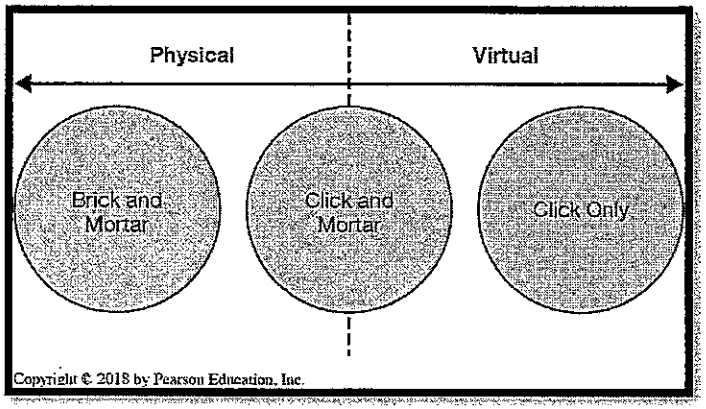

Figure 1

(9 marks)

End of Paper